

# Disaggregation Summary Report

Test Date: 09/18/07

State: INDIANA

Grade: 10

## Purpose

This report describes group achievement for selected reporting populations.



## English/language arts

	Total Number of Students	Pass+ N	%	Pass N	%	Total N	Passing %	Did Not N	Pass %	Undetermined N	%	Mean/Median Scale Score	Standard Deviation
<b>All Students</b>	<b>78582</b>	<b>2032</b>	<b>3</b>	<b>50719</b>	<b>65</b>	<b>52751</b>	<b>67</b>	<b>23457</b>	<b>30</b>	<b>2374</b>	<b>3</b>	<b>571.5/573.9</b>	<b>50.2</b>
General Education													
TOTAL General Education	68095	2016	3	48581	71	50597	74	15713	23	1785	3	580.1/580.1	44.5
Special Education													
With accommodations	9261	7	0	1667	18	1674	18	7067	76	520	6	511.1/512.7	47.2
Without accommodations	1226	9	1	471	38	480	39	677	55	69	6	535.8/538.9	53.9
TOTAL Special Education	10487	16	0	2138	20	2154	21	7744	74	589	6	514.0/515.5	48.7
Limited English Proficiency													
With accommodations	1313	0	0	213	16	213	16	999	76	101	8	510.2/514.8	48.5
Without accommodations	645	0	0	210	33	210	33	382	59	53	8	528.7/535.2	52.6
TOTAL Limited English Proficiency	1958	0	0	423	22	423	22	1381	71	154	8	516.3/521.8	50.6
Non-Limited English Proficiency													
With accommodations	9366	9	0	1775	19	1784	19	7055	75	527	6	512.6/514.1	47.3
Without accommodations	67258	2023	3	48521	72	50544	75	15021	22	1693	3	581.0/580.6	43.8
TOTAL Non-Limited English Proficiency	76624	2032	3	50296	66	52328	68	22076	29	2220	3	572.8/575.0	49.4
Gender													
Male	40160	667	2	24023	60	24690	61	14045	35	1425	4	563.7/567.3	51.1
Female	38369	1365	4	26678	70	28043	73	9391	24	935	2	579.6/580.5	47.9
No valid information	53	0	0	18	34	18	34	21	40	14	26	538.9/549.0	54.4
SES													
Paid lunch	53024	1880	4	38735	73	40615	77	11612	22	797	2	582.2/583.6	47.2
Free or reduced lunch	24398	148	1	11759	48	11907	49	11577	47	914	4	548.3/551.3	48.6
No valid information	1160	4	0	225	19	229	20	268	23	663	57	543.4/548.3	53.0
Ethnicity													
American Indian or Alaska Native	244	3	1	132	54	135	55	97	40	12	5	555.1/562.0	53.6
Black (Not of Hispanic Origin)	9261	21	0	3708	40	3729	40	5184	56	348	4	539.3/542.2	45.6
Asian or Pacific Islander	937	65	7	624	67	689	74	215	23	33	4	586.2/591.3	61.2
Hispanic	3956	37	1	1774	45	1811	46	1965	50	180	5	544.7/548.2	52.2
White (Not of Hispanic Origin)	61373	1870	3	43195	70	45065	73	15200	25	1108	2	578.1/579.9	48.1
Multiracial	1882	34	2	1141	61	1175	62	643	34	64	3	565.9/567.5	47.1
No valid information	929	2	0	145	16	147	16	153	16	629	68	544.3/549.2	50.4
Migrant	68	0	0	22	32	22	32	40	59	6	9	536.3/536.5	44.8

The cut score at Pass is 551. The cut score at Pass+ is 664.

The Lowest/Highest Scale Score Possible for English/language arts is 220/820.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%.

# Disaggregation Summary Report

Test Date: 09/18/07

State: INDIANA

Grade: 10

## Purpose

This report describes group achievement for selected reporting populations.



Mathematics		Total Number of Students	Pass+ N	%	Pass N	%	Total Passing N	%	Did Not Pass N	Pass %	Undetermined N	%	Mean/Median Scale Score	Standard Deviation
<b>All Students</b>		<b>78582</b>	<b>10118</b>	<b>13</b>	<b>41834</b>	<b>53</b>	<b>51952</b>	<b>66</b>	<b>24078</b>	<b>31</b>	<b>2552</b>	<b>3</b>	<b>610.6/615.8</b>	<b>73.6</b>
General Education														
TOTAL General Education		68095	9961	15	39288	58	49249	72	16924	25	1922	3	622.2/623.3	63.7
Special Education														
With accommodations		9188	100	1	2049	22	2149	23	6499	71	540	6	528.7/541.5	86.4
Without accommodations		1299	57	4	497	38	554	43	655	50	90	7	566.8/578.6	85.7
TOTAL Special Education		10487	157	1	2546	24	2703	26	7154	68	630	6	533.4/545.7	87.2
Limited English Proficiency														
With accommodations		1325	30	2	395	30	425	32	844	64	56	4	549.6/560.1	81.3
Without accommodations		633	38	6	282	45	320	51	299	47	14	2	579.4/587.3	78.9
TOTAL Limited English Proficiency		1958	68	3	677	35	745	38	1143	58	70	4	559.4/568.4	81.7
Non-Limited English Proficiency														
With accommodations		9290	116	1	2132	23	2248	24	6503	70	539	6	530.3/542.7	86.6
Without accommodations		67334	9934	15	39025	58	48959	73	16432	24	1943	3	622.9/623.9	63.3
TOTAL Non-Limited English Proficiency		76624	10050	13	41157	54	51207	67	22935	30	2482	3	612.0/616.8	72.9
Gender														
Male		40160	5728	14	21050	52	26778	67	11916	30	1466	4	612.3/618.7	76.6
Female		38369	4388	11	20774	54	25162	66	12136	32	1071	3	608.9/613.1	70.2
No valid information		53	2	4	10	19	12	23	26	49	15	28	561.2/572.8	90.4
SES														
Paid lunch		53024	9055	17	31016	58	40071	76	12089	23	864	2	626.0/629.0	67.8
Free or reduced lunch		24398	1049	4	10627	44	11676	48	11693	48	1029	4	577.5/585.4	74.3
No valid information		1160	14	1	191	16	205	18	296	26	659	57	562.3/573.3	82.2
Ethnicity														
American Indian or Alaska Native		244	14	6	115	47	129	53	103	42	12	5	590.7/594.3	82.4
Black (Not of Hispanic Origin)		9261	176	2	3176	34	3352	36	5450	59	459	5	557.3/567.8	76.5
Asian or Pacific Islander		937	376	40	404	43	780	83	154	16	3	0	661.0/664.1	91.5
Hispanic		3956	190	5	1796	45	1986	50	1831	46	139	4	581.4/588.2	73.4
White (Not of Hispanic Origin)		61373	9178	15	35276	57	44454	72	15672	26	1247	2	620.2/623.8	68.4
Multiracial		1882	178	9	946	50	1124	60	694	37	64	3	598.8/603.2	72.9
No valid information		929	6	1	121	13	127	14	174	19	628	68	564.6/575.3	79.4
Migrant		68	0	0	22	32	22	32	41	60	5	7	545.2/556.0	77.9

The cut score at Pass is 586. The cut score at Pass+ is 683.

The Lowest/Highest Scale Score Possible for mathematics is 300/920.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%

State Proficiency

Performance Summary

State: INDIANA

Grade: 10

Purpose

This report provides the number and percent of students in each performance category.



Test Date: 09/18/07

	English/ language arts Pass +	English/ language arts Pass	English/ language arts Did Not Pass	English/ language arts Undetermined	Mathematics TOTALS
Mathematics Pass +	1561 Students Pass + in E/la and Math 2%	8480 Students Pass in E/la and Pass + in Math 11%	58 Students Did Not Pass in E/la and Pass + in Math 0%	19 Students Undetermined in E/la and Pass + in Math 0%	10118 Students Pass + in Math 13%
Mathematics Pass	463 Students Pass + in E/la and Pass in Math 1%	35055 Students Pass in E/la and Math 45%	6057 Students Did Not Pass in E/la and Pass in Math 8%	259 Students Undetermined in E/la and Pass in Math 0%	41834 Students Pass in Math 53%
Mathematics Did Not Pass	3 Students Pass + in E/la and Did Not Pass in Math 0%	6826 Students Pass in E/la and Did Not Pass in Math 9%	16535 Students Did Not Pass in E/la and Math 21%	714 Students Undetermined in E/la and Did Not Pass in Math 1%	24078 Students Did Not Pass in Math 31%
Mathematics Undetermined	5 Students Pass + in E/la and Undetermined in Math 0%	358 Students Pass in E/la and Undetermined in Math 0%	807 Students Did Not Pass in E/la and Undetermined in Math 1%	1382 Students Undetermined in E/la and Math 2%	2552 Students Undetermined in Math 3%
English/ language arts TOTALS	2032 Students Pass + in E/la 3%	50719 Students Pass in E/la 65%	23457 Students Did Not Pass in E/la 30%	2374 Students Undetermined in E/la 3%	Summary of Student Counts  Total Grade Count 78582 Students with Complete Tests 75038 Students with Undetermined Scores E/la Only 992 Math Only 1170 Both 1382

Summary of Scores	E/la		English/language arts			Mathematics		
			Pass +	Pass	Did Not Pass	Pass +	Pass	Did Not Pass
Mean Scale Score	571.5	610.6	MSS: 685.3	MSS: 593.4	MSS: 514.3	MSS: 716.4	MSS: 631.0	MSS: 530.8
Pass Cut Score	551	586	SD: 22.7	SD: 27.5	SD: 33.0	SD: 36.4	SD: 26.5	SD: 59.2
Pass + Cut Score	664	683	L/H Obt: 664-820	L/H Obt: 551-663	L/H Obt: 220-550	L/H/Obt: 683-920	L/H/Obt: 586-682	L/H/Obt: 300-585
Standard Deviation	50.2	73.6	L/H Range: 664-820	L/H Range: 551-663	L/H Range: 220-550	L/H Range: 683-920	L/H Range: 586-682	L/H Range: 300-585
Lowest/Highest Scale Score Obtained	220-820	300-920	2032 Students	50719 Students	23457 Students	10118 Students	41834 Students	24078 Students
Lowest/Highest Scale Score Possible	220-820	300-920	Pass +	Pass	Did Not Pass	Pass +	Pass	Did Not Pass

MSS: Mean Scale Score

SD: Standard Deviation

L/H Obt: Lowest/Highest Scale Score Obtained

L/H Range: Lowest/Highest Scale Score Range of Proficiency Level

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%.

## A Message from Dr. Suellen Reed

Dear Teachers and Administrators,

The *ISTEP* + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help them evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the *ISTEP* + assessment.

Sincerely,



Suellen Reed  
Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

**Criterion-referenced Test:** A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

**Indiana Academic Standards:** The Indiana Academic Standards define three categories of student achievement in English/language arts and mathematics (Pass +, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass +	Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.
Pass	Meets the passing standard.
Did Not Pass	Fails to meet the passing standard and in all likelihood will need remedial assistance.

**Indiana Scale Score:** Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP* + as scale scores in English/language arts and mathematics. These three-digit, equal-interval scores are expressed on unique scales by content area.

**Indiana Performance Index (IPI) Score:** A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

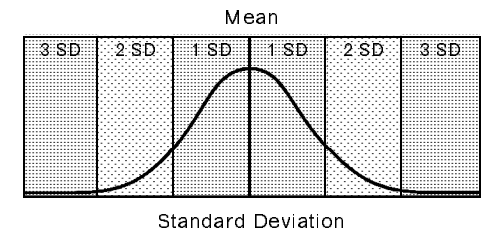
### SUMMARY INFORMATION

**Mean:** Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

**Median:** The median is another often used "average." It is defined as the score below which half of the cases fall.

**Mean Scale Score:** The arithmetic average of the scale scores obtained by a group of students.

**Standard Deviation (SD):** A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



## Applied Skills Frequency Distribution

State: INDIANA

Grade: 10

### Purpose

This report provides a frequency of points obtained by Applied Skills items.



Test Date: 09/18/07

E/la	Points Poss	Total Number of Stdnts	0 Points Obtained N	%	1 Point Obtained N	%	2 Points Obtained N	%	3 Points Obtained N	%	4 Points Obtained N	%	5 Points Obtained N	%	6 Points Obtained N	%
<b>Writing Applications</b>																
1a-1-Writing Applications	6	78582			510	1	3117	4	15944	20	43727	56	11541	15	1740	2
13b-2-Writing Applications	4	78582			3707	5	13195	17	30228	38	26606	34				
<b>Lang. Conventions</b>																
1b-1-Lang. Conventions	4	78582			557	1	3171	4	14341	18	58802	75				
13c-2-Lang. Conventions	4	78582			1505	2	8215	10	16657	21	47520	60				
<b>Reading Comp.</b>																
3-2-Reading Comp	2	78582	10747	14	29834	38	34557	44								
5-2-Reading Comp.	2	78582	13095	17	27110	34	35857	46								
<b>Reading Vocabulary</b>																
8-2-Reading Vocabulary	2	78582	33804	43	23197	30	17632	22								
<b>Lit. Resp. &amp; Analysis</b>																
11-2-Lit. Resp. & Analysis	2	78582	28395	36	29164	37	16318	21								
13a-2-Lit. Resp. & Analysis	2	78582	11923	15	45704	58	16109	20								
<b>Math</b>																
<b>Algebra &amp; Functions</b>																
1-1-Algebra & Functions	2	78582	30305	39	29719	38	13939	18								
2-1-Algebra & Functions	2	78582	37588	48	14244	18	23051	29								
4-1-Algebra & Functions	2	78582	59117	75	1233	2	14778	19								
5-1-Algebra & Functions	3	78582	17986	23	39235	50	4310	5	13653	17						
7-1-Algebra & Functions	2	78582	48304	61	13957	18	12009	15								
8-2-Algebra & Functions	2	78582	9743	12	16811	21	49091	62								
<b>Data Analysis &amp; Prob.</b>																
3-1-Data Analysis & Prob.	2	78582	33153	42	3437	4	39618	50								
1-2-Data Analysis & Prob.	2	78582	24236	31	26116	33	26092	33								
<b>Problem Solving</b>																
6-1-Problem Solving	3	78582	28097	36	5884	7	26868	34	15425	20						
8-1-Problem Solving	2	78582	35113	45	1081	1	36865	47								
3-2-Problem Solving	3	78582	37550	48	12028	15	11044	14	14930	19						
5-2-Problem Solving	3	78582	21673	28	35103	45	1604	2	17480	22						
8-2-Problem Solving	3	78582	49588	63	839	1	2173	3	20868	27						
<b>Measurement</b>																
2-2-Measurement	2	78582	45668	58	376	0	28205	36								
7-2-Measurement	2	78582	27695	35	8507	11	39840	51								
<b>Geometry</b>																
4-2-Geometry	2	78582	38162	49	959	1	36534	46								

## Applied Skills Frequency Distribution

State: INDIANA

Grade: 10

### Purpose

This report provides a frequency of condition codes obtained by Applied Skills items.



Test Date: 09/18/07

E/la	Total	Condition Code A		Condition Code B		Condition Code C		Condition Code D		Condition Code E		Invalid / Omitted	
Item # - Test #	Number of	Blank Response	%	Illegible	%	Non - English	%	Insufficient	%	Off Topic	%	Test	%
	Students	N		N		N		N		N		N	
Writing Applications													
1a-1-Writing Applications	78582	0	0	16	0	4	0	40	0	292	0	1651	2
13b-2-Writing Applications	78582	3126	4	14	0	3	0	196	0	161	0	1346	2
Lang. Conventions													
1b-1-Lang. Conventions	78582	0	0	16	0	4	0	40	0	0	0	1651	2
13c-2-Lang. Conventions	78582	3126	4	14	0	3	0	196	0	0	0	1346	2
Reading Comp.													
3-2-Reading Comp.	78582	2082	3	3	0	1	0	7	0	5	0	1346	2
5-2-Reading Comp.	78582	1144	1	5	0	1	0	6	0	18	0	1346	2
Reading Vocabulary													
9-2-Reading Vocabulary	78582	2575	3	3	0	3	0	6	0	16	0	1346	2
Lit. Resp. & Analysis													
11-2-Lit. Resp. & Analysis	78582	3295	4	8	0	1	0	23	0	32	0	1346	2
13a-2-Lit. Resp. & Analysis	78582	3126	4	14	0	3	0	196	0	161	0	1346	2

Math Item # - Test #	Total Number of Students	Condition Code A Blank Response		Condition Code B Illegible		Condition Code C Non - English		Condition Code D Insufficient		Invalid / Omitted Test	
		N	%	N	%	N	%	N	%	N	%
Algebra & Functions											
1-1-Algebra & Functions	78582	2996	4	0	0	0	0	0	0	1623	2
2-1-Algebra & Functions	78582	2076	3	0	0	0	0	0	0	1623	2
4-1-Algebra & Functions	78582	1831	2	0	0	0	0	0	0	1623	2
5-1-Algebra & Functions	78582	1773	2	0	0	0	0	2	0	1623	2
7-1-Algebra & Functions	78582	2688	3	0	0	0	0	1	0	1623	2
6-2-Algebra & Functions	78582	1202	2	0	0	0	0	1	0	1734	2
Data Analysis & Prob.											
3-1-Data Analysis & Prob.	78582	751	1	0	0	0	0	0	0	1623	2
1-2-Data Analysis & Prob.	78582	404	1	0	0	0	0	0	0	1734	2
Problem Solving											
6-1-Problem Solving	78582	684	1	0	0	0	0	1	0	1623	2
8-1-Problem Solving	78582	3897	5	0	0	0	0	3	0	1623	2
3-2-Problem Solving	78582	1295	2	0	0	0	0	1	0	1734	2
5-2-Problem Solving	78582	987	1	0	0	0	0	1	0	1734	2
8-2-Problem Solving	78582	3377	4	0	0	0	0	3	0	1734	2
Measurement											
2-2-Measurement	78582	2599	3	0	0	0	0	0	0	1734	2
7-2-Measurement	78582	806	1	0	0	0	0	0	0	1734	2
Geometry											
4-2-Geometry	78582	1193	2	0	0	0	0	0	0	1734	2

## Academic Standards Summary

State: INDIANA

Grade: 10

## Purpose

This report provides an analysis of Academic Standards using the average Indiana Performance Index (IPI) by subject for this group. The information may be used to analyze curriculum strengths and needs.



■No. of Students: 78582

Test Date: 09/18/07

### Indiana Performance Index (IPI)

The IPI is the expected number of items correct had 100 similar items been taken for the given Academic Standard. The Difference score is the Mean IPI minus the IPI at the passing cut score.

MC : Multiple-choice items

OE : Open-ended items

GR : Gridded response items

\*\* : Expected IPI for a student at the passing cut score

## STATE SUMMARY

	Points Possible	IPI at Pass**	Mean Number Correct	Mean IPI	Difference	Number Mastery	Percent Mastery
<p>Items correct had 100 similar items been taken for the given Academic Standard. The Difference score is the Mean IPI minus the IPI at the passing cut score.</p> <p>MC : Multiple-choice items            OE : Open-ended items            GR : Gridded response items            ** : Expected IPI for a student at the passing cut score</p>							
English/language arts							
1. Reading Vocabulary(MC,OE)	9	53	5.6	62.2	9.2	53926	70
2. Reading Comp.(MC,OE)	21	65	14.8	70.8	5.8	53634	70
3. Lit Response & Analysis(MC,OE)	19	60	12.4	66.1	6.1	53382	70
4. Writing Process(MC)	7	74	5.4	77.3	3.3	51751	67
5. Writing Applications(OE)	10	65	6.8	67.9	2.9	53751	70
6. Lang. Conventions(MC,OE)	19	74	15.0	78.3	4.3	52490	69
*Number of Students: 76208							
Mathematics							
1. Number Sense(MC,GR)	9	39	4.7	52.6	13.6	51136	66
2. Computation(MC,GR)	8	41	4.3	54.6	13.6	51006	66
3. Algebra & Functions(MC,OE,GR)	32	34	15.7	49.0	15.0	51633	68
4. Geometry(MC,OE)	8	38	4.5	55.6	17.6	51234	67
5. Measurement(MC,OE,GR)	13	40	7.2	55.4	15.4	50420	66
6. Data Analysis & Prob(MC,OE,GR)	11	54	6.9	62.8	8.8	51163	67
7. Problem Solving(MC,OE,GR)	16	22	6.4	40.6	18.6	50846	67
*Number of Students: 76030							

\* Number of students that completed all tests in the content area. ■ Total number of all students that tested in either content area. Any student tested in both content areas is counted once. Adding the two-digit "Pl at Pass" scores will not result in the three-digit student score found on the Student Report.